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June 8, 1998

Kathryn C. Brown
Chief, Common Carrier Bureau
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

Re: BellSouth June 8 Status Report
NSD File No. L-98-27, CC Docket No. 95-116
Phase I Extension Order
Long-term Database Method of Number Portability (LNP)

Dear Ms. Brown:

Pursuant to paragraphs 41 and 42 of the referenced order, BellSouth herewith files its June 8, 1998 report on the progress it and Lockheed Martin have made and are making with respect to BellSouth's interface with the Lockheed Martin Number Portability Administration Center (NPAC) regional Service Management System (SMS) database and on updating BellSouth's SMS interface with its internal systems, including its AIN SMS, Service Order Control System (SOCS), Product and Services Information Management System (PSIMS), and its Customer Revenue Information Systems (CRIS).

In this letter BellSouth reports on progress made since its May 8, 1998 Status Report[1] and its May 15, 1998 *ex parte* follow-up.[2] This June 8 Status Report shows that all NANC 1.8 functionality necessary to support the ordering and provisioning of LNP in Phase I and Phase II metropolitan statistical areas (MSAs) within the Southeast NPAC Region will be available in BellSouth's NPAC interface production software in time to begin industry testing in Atlanta by July 15, 1998. All remaining NANC 1.8 functionalities will be ready for certification testing by October 1, 1998. This will allow BellSouth to implement LNP in the Southeast Region pursuant

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[1] Letter from Theodore R. Kingsley, General Attorney, BellSouth Corporation, to A. Richard Metzger, Chief, Common Carrier Bureau, Federal Communications Commission, filed May 8, 1998. (May 8 Status Report).

[2] Letter from Ben G. Almond, Vice President, Federal Regulatory, BellSouth Corporation to Magalie Roman Salas, Secretary, Federal Communications Commission filed May 15, 1998. (May 15 Letter) at 5.

to both extension orders issued by the Bureau[3] and BellSouth's Supplemental Petition to Extend Time for Network Implementation.[4]

I. BellSouth's Interface with the Lockheed Martin NPAC.

A. Background.

BellSouth's individual downstream database, as contemplated by the Commission's rules, 47 C.F.R. § 52.25(i), is the "BellSouth LNP Gateway (G/W) SMS."[5] The BellSouth LNP G/W SMS operates both as an integrated interface between the Lockheed Martin NPAC and over forty (40) downstream operations support systems (OSS) within BellSouth.[6] As a result of the change in Local Number Portability Administrators (LNPA) in the Southeast NPAC Region, on March 2, 1998, BellSouth filed a Petition to Extend Time for Implementation for all five of the Commission's LNP implementation phases.[7] With respect to Phase I, BellSouth requested an extension of the March 31, 1998 Phase I LNP implementation deadline until November 15, 1998.

At an *ex parte* meeting on March 20 concerning BellSouth's original plan of record as set forth in its March 2 Petition, the Bureau advised BellSouth of its concern that it strike the appropriate balance between orderly implementation of LNP and the earliest possible introduction of local competition within the Southeast NPAC Region. On March 31, 1998, the Bureau granted a waiver to BellSouth of the Phase I implementation date until August 31, 1998, ten weeks less than the amount of time requested by BellSouth. As explained in its May 1, 1998

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[3] Telephone Number Portability, Petitions for Extension of the Deployment Schedule for Long-Term Database Methods for Local Number Portability, Phase I, *Order*, CC Docket 95-116, NSD File Nos. L-98-20, L-98-28, L-98-27, L-98-24, L-98-21, L-98-09, L-98-29, L-98-30, L-98-26, L-98-31, L-98-22, L-98-23, L-98-32, L-98-25, DA 98-614 (rel. March 31, 1998) (*Phase I Extension Order*); Telephone Number Portability, Petitions for Extension of the Deployment Schedule for Long-Term Database Methods for Local Number Portability, Phase II, *Order*, CC Docket 95-116, NSD File Nos. L-98-40, L-98-27, L-98-52, L-98-29, L-98-30, L-98-31, L-98-37, L-98-38, L-98-46, L-98-32, L-98-39, DA 98-917 (rel. May 15, 1998) (*Phase II Extension Order*).

[4] Telephone Number Portability, CC Docket No. 95-116, NSD File No. L-98-27, *Supplement to Petition to Extend Time for Network Implementation of BellSouth Corporation*, (May 1, 1998) (May 1 Supp.) (Reducing Phase III and IV extension requests from January 30, 1999 and March 1, 1999, respectively, to October 31, 1998 and November 30, 1998; withdrawing request for Phase V extension).

[5] Letter from Theodore R. Kingsley, General Attorney, BellSouth Corporation, to Geraldine A. Matise, Chief Network Services Division, FCC, filed March 25, 1998, at 2.

[6] *Id.*

[7] The NPAC software release being used by Perot Systems, the former LNPA, was "NANC IIS/FRS R1.1." This was the specification that BellSouth, through its affiliated software development company, BellSouth Advanced Technologies (BAT), had built to when Perot Systems lost its contract as Southeast NPAC Region LNPA on February 10, 1998. The software release used by Lockheed Martin, the new LNPA, is "NANC IIS/FRS R1.8." May 15 Letter at 5.

Supplement to Petition to Extend Time for Network Implementation and its May 8 Status Report, BellSouth thoroughly reexamined its March 2, 1998 plan of record in light of the *Phase I Extension Order*'s August 31, 1998 implementation deadline for all carriers in the Southeast NPAC Region. The August 31, 1998 implementation deadline required BellSouth to plan for a July 15, 1998 target deadline for its SMS interface certification.

As explained in our May 8, 1998 Status Report, a July 15 certification date permits a subsequent thirty (30) day period of end-to-end testing to be completed by August 15, 1998, leaving BellSouth with 14 days to implement LNP in the Atlanta MSA pursuant to the *Phase I Extension Order*. The new July 15, 1998 target interface certification date, however, presented a significant challenge to BellSouth's March 2, 1998 LNP implementation plan of record, specifically with regard to BellSouth's ability to complete testing (and development, where necessary) of the 58 software change orders that represent the difference between the developmental state of the NPAC interface developed by Perot Systems, and Lockheed Martin.

BellSouth hired an outside consultant, Telecom Software Enterprises, LLC (TSE) to analyze each of these change orders, and TSE determined that the majority of the ordering, provisioning and /or measurement functionalities as defined by the change orders had already been designed into BellSouth's system.[8] Based on this review, TSE and BellSouth determined that the functionalities described in three of the 58 change orders were not necessary or even relevant, to the ordering, provisioning or measurement processes necessary to implement LNP in Phase I or II MSAs.[9] Because they were not necessary for these essential LNP provisioning processes, BellSouth and TSE determined that their development could be deferred until their functionality became necessary in an LNP implementation environment. This phased approach allowed BellSouth to concentrate its efforts on completing software testing and development of those NANC change orders necessary to actually provide ordering, provisioning and measurement functionalities for LNP implementation in Phases I and II.[10] Such a phased development, BellSouth believed, was consistent with the Bureau's concern that local competition develop as early as possible within the Southeast NPAC Region despite the change in both LNPA and NPAC specifications and that LNP be implemented within the region in as orderly a manner as possible.

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[8] May 15 Letter at 5.

[9] NPA Split Functionalities are addressed in two Change Orders, NANC 163 and NANC 190, while Expanded Filter Functionalities are addressed in one Change Order, NANC 144. May 15 Letter at 8. As explained below, NPA Split Functionality is not necessary in the Southeast NPAC Region until Phase III LNP implementation, and BellSouth's implementation of NANC 144, which is local SMS specific, is not necessary for LNP implementation in any phase.

[10] These efforts involved the following change orders: NANC 51, NANC 84, and NANC 97, which required a low level of system testing; NANC 85, NANC 86, NANC 126, NANC 142 and NANC 176, which require a low level of software development; and NANC 105, NANC 135, NANC 136 and NANC 173, which require a medium level of software development. May 15 Letter at 8.

(1) Deferred NPA Split Functionalities.

NPA Split Functionalities are designed to address the situation where there is a period of "permissive dialing" during the introduction of a new area code (numbering plan area or NPA). During permissive dialing a telephone number may be reached by dialing either the "old" area code or the "new" area code. When such a permissive dialing period occurs at the same time as an LNP conversion period, both the "old" and the "new" NPA must be appended to a ported number to allow permissive dialing. Within the Southeast NPAC Region there is no NPA permissive dialing period coincident with LNP conversion in any Phase I or Phase II MSA. For instance, the 504 NPA (Baton Rouge, a Phase V MSA) is scheduled to be split. There are three BellSouth switches within the New Orleans MSA, a Phase III MSA, that are affected by the new area code for Baton Rouge.[11] BellSouth will have NPA Split Functionalities in place in time to implement LNP in the New Orleans MSA pursuant to its October 31, 1998 proposed Phase III implementation schedule.[12]

BellSouth accelerated its NPA Split Functionalities software development efforts following release of the *Phase I Extension Order*. BellSouth, through BAT, began writing source code for NPA Split Functionalities during the last two weeks of May. Development efforts (which include testing and debugging) are scheduled to be completed by July 30, 1998. The software will then undergo four weeks of internal quality assurance testing beginning August 1, 1998. On or before September 1, 1998, the software will undergo another thirty (30) days of external industry (service provider to service provider) testing. Industry testing will have been completed several weeks prior to porting the first telephone number in the New Orleans MSA. BellSouth is unaware of any other MSA within the Southeast NPAC Region in which NPA permissive dialing is coincident with LNP conversion. After October 1, 1998, the functionality will be available throughout the Southeast NPAC Region, so that LNP will accommodate NPA permissive dialing wherever and whenever a state commission may order it.

(2) Deferred Expanded Filter Functionalities.

When the LNPA NPAC sends out a mass update, it broadcasts all activity that has taken place within the database since the previous broadcast, regardless of the identity of the downstream carrier. A carrier that operates in a limited geographic area would therefore receive NPA/NXX information for all cities within the region in which LNP has been implemented. NANC Change Order 144 enables the regional NPAC to screen data in accordance with the messaging capabilities programmed into local SMS software interfaces by individual carriers. Simply put, "filtering" enables the NPAC and carriers to screen out NPA/NXX activity broadcast

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[11] These are Convent CNVNLAMADSO, Lutcher LTCHLAMADSO and Vacherie VCHRLAMADSO. (May 1 Supp. at 7, n.5).

[12] This date is BellSouth's revised Phase III implementation date. May 1 Supp. at 2. Originally, BellSouth had requested until January 30, 1999 to implement Phase III. March 2 Petition at 22.

by the LNPA that the carrier does not need. By programming messaging capabilities into its software interface pursuant to NANC Change Order 144, carriers may receive only the information relevant to their particular business purpose. One advantage of this functionality is that carriers can reduce the size and complexity of their local SMS.

Because NANC 144 is local SMS specific, the timing of BellSouth's implementation of NANC Change Order 144 has absolutely no effect on the Southeast Region NPAC or on any other carrier within the country. Basic filtering of broadcast messages resides within the Lockheed Martin NPAC today. NANC Change Order 144 expands this filtering functionality to other mass update messages. All carriers within the Southeast NPAC region who desire this expanded functionality may, and probably have, implemented it within their own local SMS software interface. Because BellSouth is the largest incumbent local exchange carrier (ILEC) providing exchange and exchange access services within the nine states that comprise the Southeast NPAC Region, BellSouth as a practical matter needs to receive the entire mass update message. While some carriers will only want to receive information in those cities in which they actually compete, BellSouth, as the ILEC from whom most numbers will be ported throughout the region, needs to populate its database with essentially all NPA/NXX activity region wide. Thus, BellSouth's deferral of development of NANC 144 will have no adverse affect on other carriers, who may screen NPAC broadcasts without regard to whether BellSouth screens, or "filters" such mass updates for itself.

In any event, BellSouth has, since the Commission issued its *Phase II Extension Order*, accelerated its development efforts and is now planning to implement NANC 144 together with NANC 163 and NANC 190 on October 1, 1998. This represents significant progress made since BellSouth's May 8 Status Report and May 15 Letter, as all remaining NANC 1.8 functionalities will be available for industry end-to-end testing thirty (30) days before BellSouth's proposed LNP conversion deadline for Phase III MSAs.

A. Steps Taken

(1) Summary of Software Test Results to Date.

As explained in its May 8 Status Report, as of April 30, 1998, BellSouth had executed 78 test suites of its LNP G/W R1.5 software,[13] passed 65, failed eight, and had five undergoing analysis. On May 11, 1998, BellSouth concluded this testing with the following results:

Test Suites: 84

Tests Executed: 84 (100%)

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[13] BellSouth uses the term "LNP G/W R1.X" to refer to its interface software development platform.

Tests Passed: 74 (88.1 %)

Tests Failed: 10

On May 18, 1998, BellSouth began turn-up testing of its final production software with the Lockheed Martin NPAC. This testing included testing of software fixes developed for the 10 failed tests noted above that occurred in testing the previous software release. System modifications are made to correct failed tests and the entire battery of 84 tests is repeated. Therefore, over the past 4-6 weeks, the SMS has gone through extensive rigorous regression testing. Actual test results through Friday, June 5, 1998 follow:

Test Suites: 84

Tests Performed: 76 (90.5 %)

Tests Passed: 76 (100 %)

Tests Failed: None

Software testing continues to progress smoothly, as evidenced by the fact that over 90% of test cases have been performed and, of these, 100% passed in the first 18 days of testing. These test results indicate that BellSouth's current schedules for testing and NPAC certification developed to meet the implementation deadlines set forth in the *Phase I Extension Order* and the attached project schedules will be met. Indeed, results thus far are extremely positive because they have been achieved with BellSouth's final production software.

(2) Summary of Status of NANC Change Orders

As reported in its May 15 letter, as a result of the TSE analysis it was determined that, of the 58 Change Orders separating the old (Perot Systems) and new (Lockheed Martin) NPAC specifications:

- Forty three (43) require no additional software development, as their functionality is incorporated in BellSouth's final production software or otherwise have no impact on BellSouth's final production software;
- Three (3) require a low level of system testing and will be incorporated in BellSouth's final production software by July 15, 1998;
- Five (5) require a low level of software development, and will be incorporated in BellSouth's final production software by July 15, 1998;
- Four (4) require a medium level of software development, and will be incorporated in BellSouth's final production software by July 15, 1998; and

- Three (3) can be deferred to an October 1, 1998 release date (BellSouth has, since its May 15 Letter, advanced the release date of NANC 144 functionality from December 7, 1998 to October 1998; *see Phase II Extension Order* at n. 59).[14]

II. BellSouth's SMS Interface with its Internal OSS.

As explained in its May 8 Status Report the software development efforts described above have had no negative downstream effects on the BellSouth SOCS, PSIMS and CRIS OSS. All necessary software modifications for SOCS and CRIS interfaces have now been incorporated in the LNP Gateway design. Ongoing testing with the BellSouth AIN SMS software continues to yield positive results and still indicates that the necessary development for NANC 1.8 will be included in BellSouth's AIN SMS Release 12, scheduled for release on July 1, 1998. Shown below are the results of AIN SMS testing to date:

Test Suites:	268
Tests Executed:	268 (100%)
Tests Passed:	260 (97.0%)
Tests Failed:	8

Again, system modifications are being made to correct the eight (8) failed tests, and the entire battery of 268 tests will be repeated through rigorous regression testing to ensure software integrity. None of these deficiencies were critical defects. In light of the 97% pass rate to date, BellSouth is optimistic that its current implementation schedule is on track.

III. Detailed Work Plan for Next Steps.

BellSouth attaches to this report an LNP Critical Path Milestone chart for March-September, 1998; an LNP Critical Path Milestone chart for September 1998-January 1999; an LNP Gateway SMS Schedule current as of June 4, 1998 which tracks the duration, start, finish and status of 48 separate tasks related to development of the Lockheed Martin NPAC interface in order to allow LNP implementation in Atlanta by August 31, 1998; and a separate schedule for its LNP AIN SMS work effort identifying the duration, start, finish and status of 27 separate tasks related to updating the NPAC interface with its AIN SMS.

IV. Conclusion.

BellSouth is on track to implement LNP in each MSA within the Southeast NPAC Region pursuant to its revised implementation schedule set forth in its May 1 Supplement to its

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[14] *Infra* n.9 and n.10.

March 2 Petition. All NANC 1.8 interface functionality necessary for the ordering and provisioning of LNP will be in place to implement Phase I (Atlanta) by August 31, 1998.[15] Remaining NANC 1.8 functionality (NPA Split and Expanded Filtering) will be available for NPAC certification by October 1, 1998. BellSouth believes that its current plan and schedule are consistent with the Bureau's desire to strike the appropriate balance between the orderly implementation of LNP and the earliest possible introduction of local competition within the Southeast NPAC Region in light of the particular effects of the change of the LNP administrator therein. In striking this balance, BellSouth believes that its implementation schedule is compliant with the Commission's number portability rules. Accordingly, BellSouth requests that the Commission grant its pending extension requests for Phase III and IV MSAs, and confirm that BellSouth's software development plan as set forth herein complies with the Commission's requirements for number portability.

A copy of this status report is being mailed to all carriers who have filed requests for extension of time within the Southeast NPAC Region, as well as all those who commented on BellSouth's earlier filed Petition.

Very truly yours,

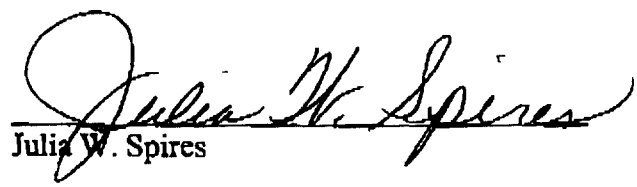
Theodore R. Kingsley

cc: Geraldine A. Matise
Gayle Radly Teicher

[15] As BellSouth explained in its May 15 Letter, there will be no impact on the LNP ordering and provisioning process for CLECs. May 15 Letter at 4. The exact same LNP ordering and provisioning capability available to BellSouth will be available to all CLECs when LNP is offered in Atlanta on August 31, 1998, and in all Phase II MSAs on September 30, 1998, pursuant to the Commission's orders. *Id.*

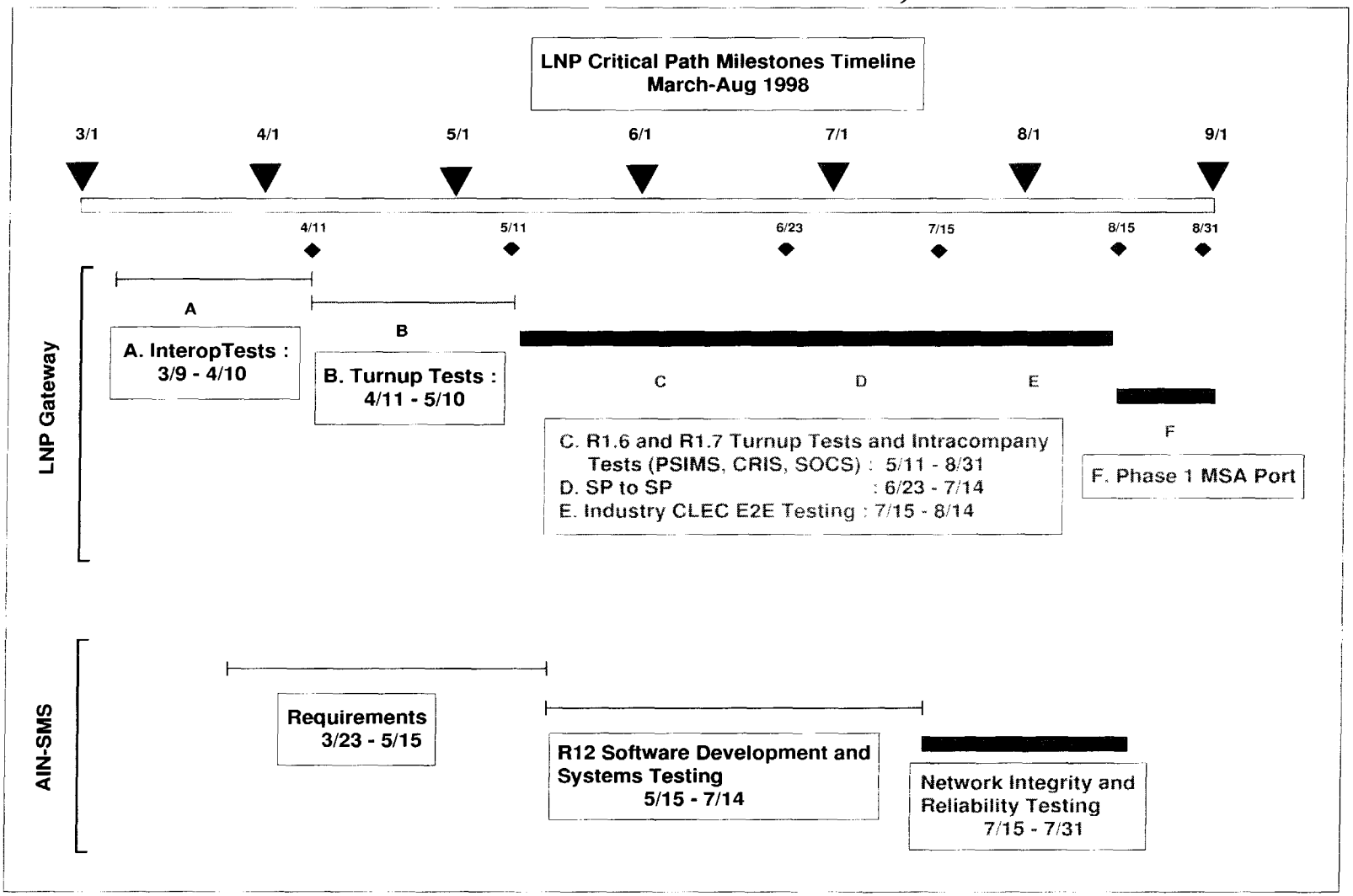
CERTIFICATE OF SERVICE

I hereby certify that I have this 8th day of June 1998, serviced all parties to this action with the foregoing *BELLSOUTH JUNE 8 STATUS REPORT*, reference NSD File No. L-98-27, CC Docket No. 95-116, Long-term Database Method of Number Portability (LNP) by hand service or by placing a true and correct copy of the same in the United States Mail, postage prepaid, addressed to the parties as set forth on the attached service list.

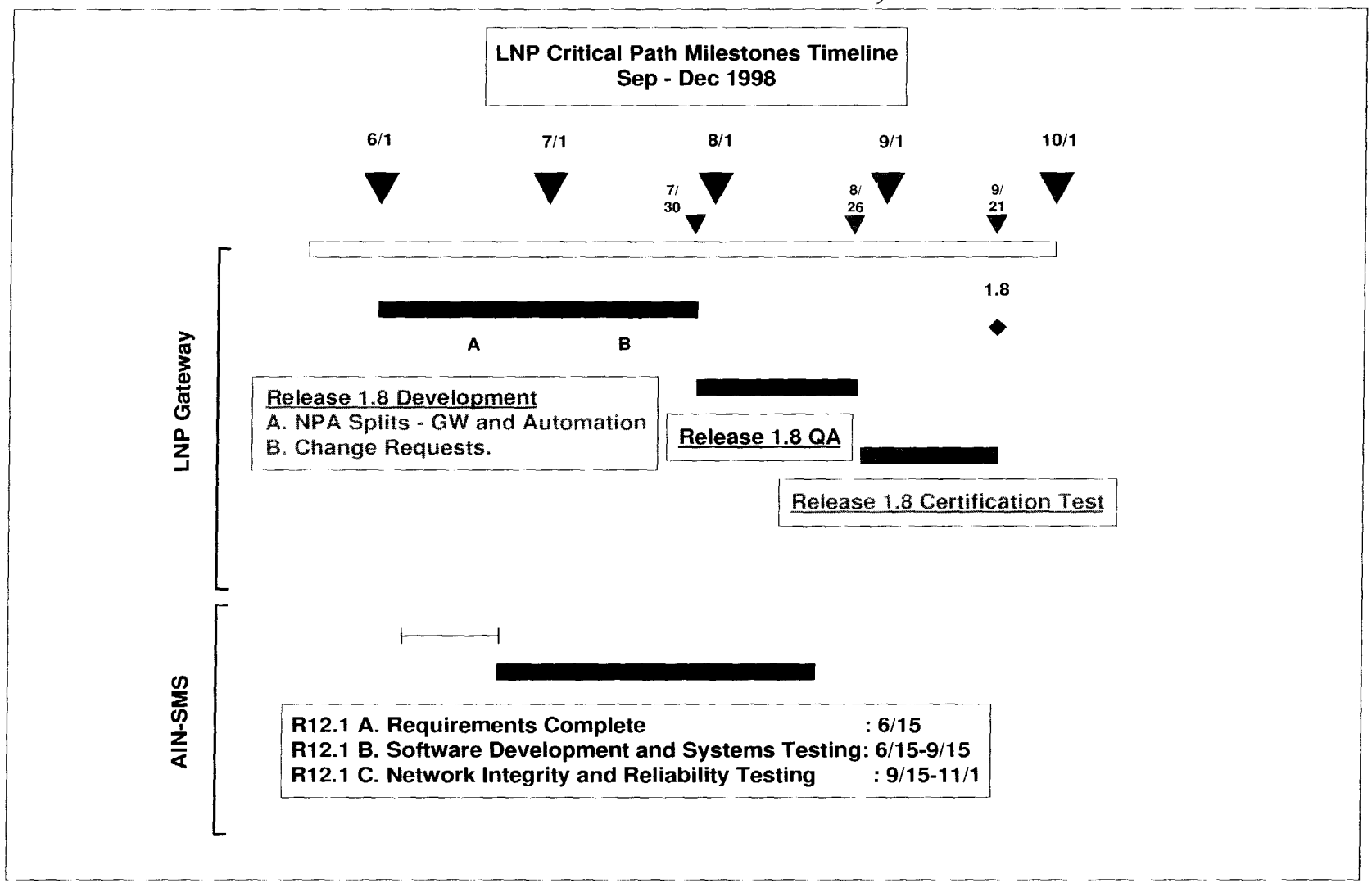


Julia W. Spires

BellSouth Critical Path Milestones, 3-98 to 9-98

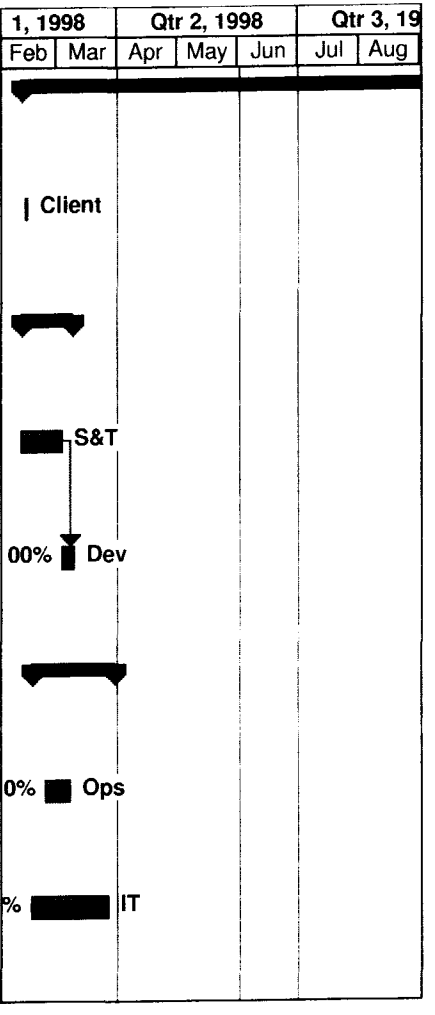


BellSouth Critical Path Milestones, 9-98 to 1-99

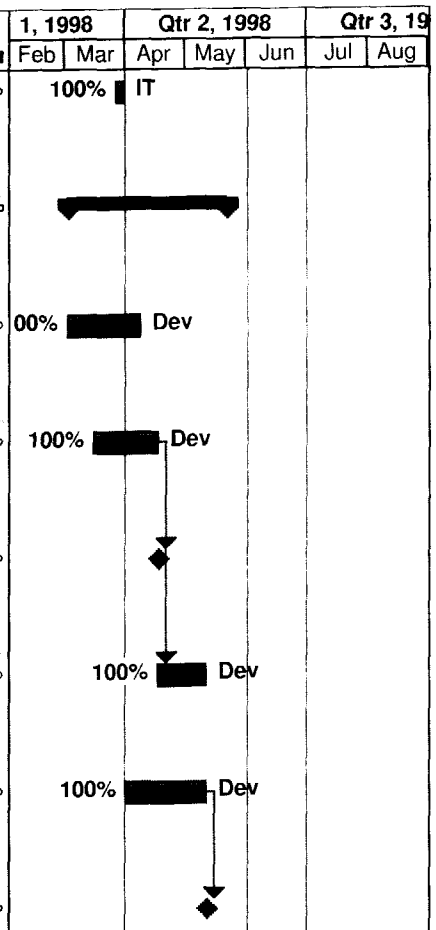


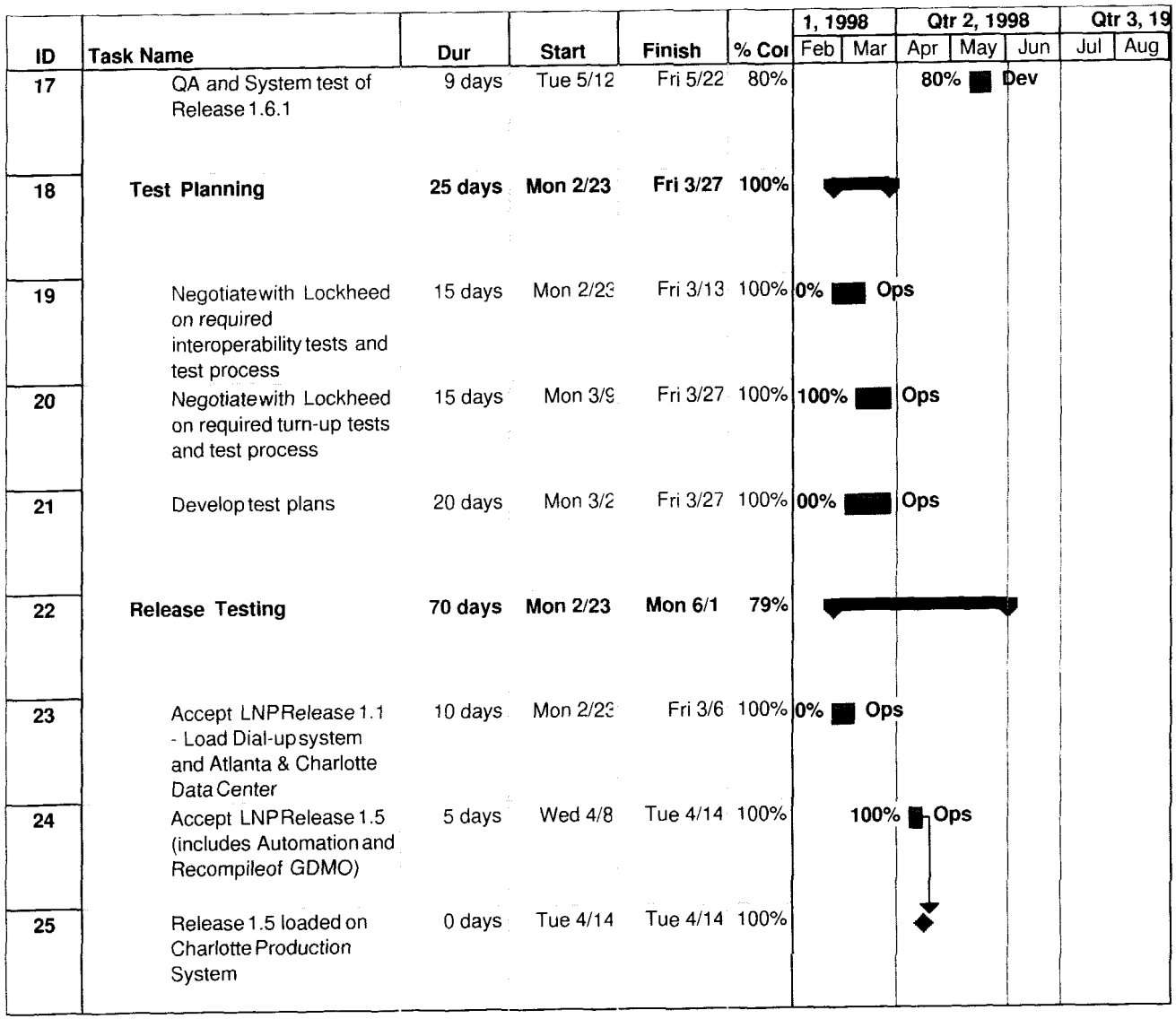
LNP Gateway SMS Project Plan

ID	Task Name	Dur	Start	Finish	% Co
1	**Summary Release Schedule**	**142 days**	**Wed 2/11**	**Mon 8/31**	**68%**
2	Sign Contract with vendor	1 day	Fri 2/13	Fri 2/13	100%
3	**Requirements**	**19 days**	**Wed 2/11**	**Mon 3/9**	**100%**
4	CompleteNANC 1.1 to NANC 1.8 upgrade requirements	14 days	Wed 2/11	Mon 3/2	100%
5	Approve NANC 1.1 to NANC 1.8 upgrade requirements	5 days	Tue 3/3	Mon 3/9	100%
6	**Network and Communications**	**31 days**	**Mon 2/16**	**Mon 3/30**	**100%**
7	Set up test system for dial-up testing to DSET	10 days	Mon 2/23	Fri 3/6	100%
8	Install T1 lines to Lockheed	29 days	Mon 2/16	Thu 3/26	100%



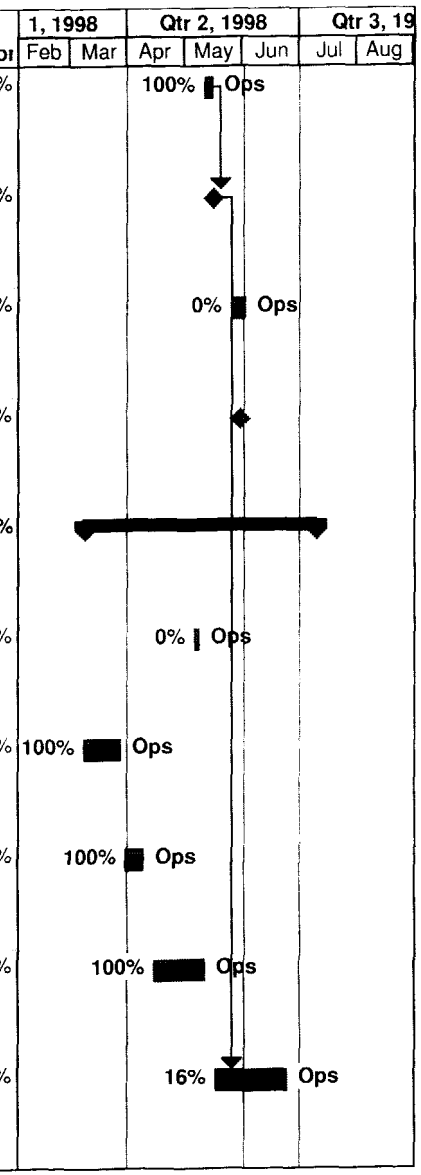
ID	Task Name	Dur	Start	Finish	% Co
9	Test Connectivity to Chicago NPAC with T1	2 days	Fri 3/27	Mon 3/30	100%
10	**Development (includes QA)**	**60 days**	**Mon 3/2**	**Fri 5/22**	**98%**
11	Release 1.5 - LNP Gateway modifications to support GDMO recompilation changes	27 days	Mon 3/2	Tue 4/7	100%
12	Development and Unit Test of Release 1.6 - Implement NANC 1.8 Change Orders in LNP	24 days	Mon 3/16	Thu 4/16	100%
13	Code Freeze of Release 1.6	0 days	Thu 4/16	Thu 4/16	100%
14	QA and System test of Release 1.6	17 days	Fri 4/17	Mon 5/11	100%
15	Development and Unit Test of Release 1.6.1 - Maintenance release to correct defects including	29 days	Wed 4/1	Mon 5/11	100%
16	Code Freeze of Release 1.6 .1	0 days	Mon 5/11	Mon 5/11	100%



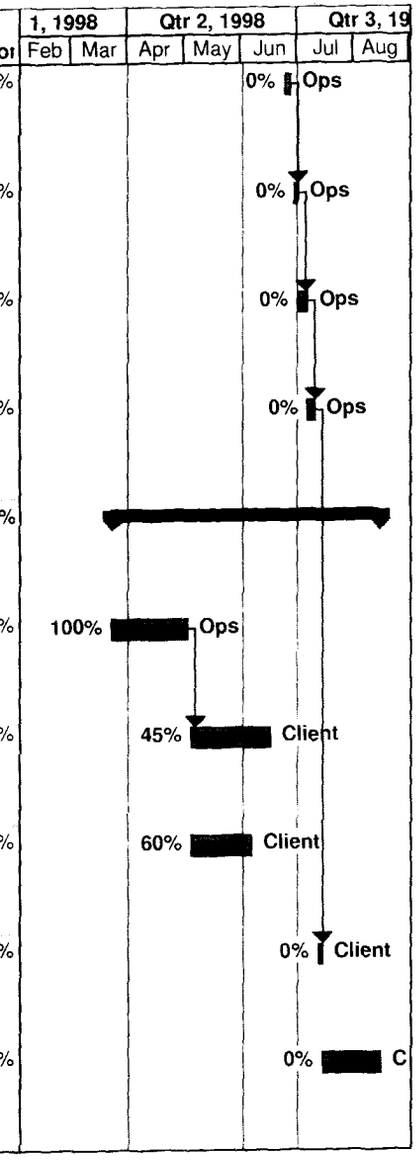


ID	Task Name	Dur	Start	Finish	% Cor
17	QA and System test of Release 1.6.1	9 days	Tue 5/12	Fri 5/22	80%
18	**Test Planning**	**25 days**	**Mon 2/23**	**Fri 3/27**	**100%**
19	Negotiate with Lockheed on required interoperability tests and test process	15 days	Mon 2/23	Fri 3/13	100%
20	Negotiate with Lockheed on required turn-up tests and test process	15 days	Mon 3/9	Fri 3/27	100%
21	Develop test plans	20 days	Mon 3/2	Fri 3/27	100%
22	**Release Testing**	**70 days**	**Mon 2/23**	**Mon 6/1**	**79%**
23	Accept LNP Release 1.1 - Load Dial-up system and Atlanta & Charlotte Data Center	10 days	Mon 2/23	Fri 3/6	100%
24	Accept LNP Release 1.5 (includes Automation and Recompile of GDMO)	5 days	Wed 4/8	Tue 4/14	100%
25	Release 1.5 loaded on Charlotte Production System	0 days	Tue 4/14	Tue 4/14	100%

ID	Task Name	Dur	Start	Finish	% Cor
26	Accept LNP Release 1.6 (includes all required NANC 1.8 changes)	4 days	Tue 5/12	Fri 5/15	100%
27	Release 1.6 loaded on Charlotte Production System	0 days	Fri 5/15	Fri 5/15	100%
28	Accept Release 1.6.1 (Maintenance release including correction of Recovery defects)	5 days	Tue 5/26	Mon 6/1	0%
29	Release 1.6.1 loaded on Charlotte Production System	0 days	Sat 5/30	Sat 5/30	0%
30	**Certification Testing**	**88 days**	**Mon 3/9**	**Fri 7/10**	**56%**
31	LTI testing with MediaOne- Currently NOT scheduled	2 days	Thu 5/7	Fri 5/8	0%
32	Interoperability Testing - LNP Gateway (NANC 1.1 & Gateway Release 1.1) with DSET(NANC	15 days	Mon 3/9	Fri 3/27	100%
33	Start Turnup Testing in Chicago with Lockheed Release 1.2 and LNP Gateway Release 1.1	7 days	Tue 3/31	Wed 4/8	100%
34	Start Turnup Testing in Chicago with Lockheed Release 1.3 and LNP Gateway Release 1.5	19 days	Wed 4/15	Mon 5/11	100%
35	Turn-up Testing - Certification of LNP Gateway Release 1.6 (and 1.6.1) in Chicago	26 days	Mon 5/18	Tue 6/23	16%



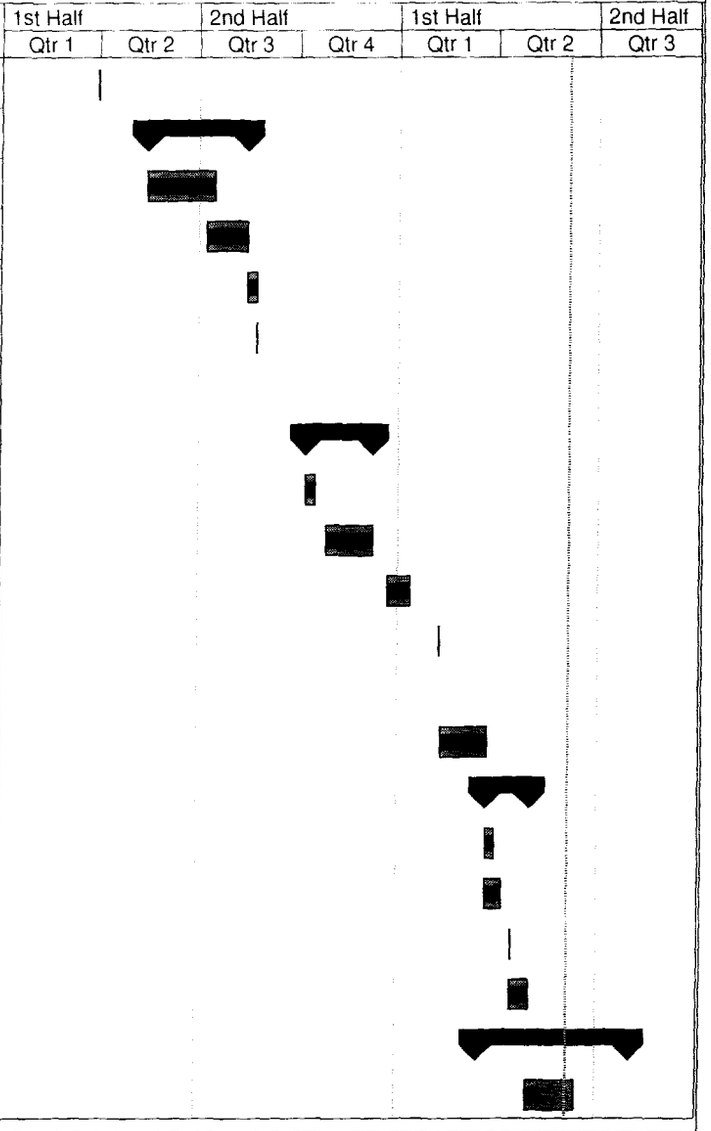
ID	Task Name	Dur	Start	Finish	% Cor
36	Southeast Region SP to SP (paired) testing	3 days	Wed 6/24	Fri 6/26	0%
37	Southeast Region Round Robin testing	2 days	Mon 6/29	Tue 6/30	0%
38	Southeast Region DR testing	3 days	Wed 7/1	Mon 7/6	0%
39	Southeast Region Performance testing	4 days	Tue 7/7	Fri 7/10	0%
40	**Field Testing**	**103 days**	**Mon 3/23**	**Fri 8/14**	**53%**
41	Generate Run Books for TSC	30 days	Mon 3/23	Fri 5/1	100%
42	TSC (6 weeks) to incorporate Run Books	30 days	Mon 5/4	Mon 6/15	45%
43	Intra Company Testing	24 days	Mon 5/4	Fri 6/5	60%
44	Reset Database	2 days	Mon 7/13	Tue 7/14	0%
45	CLECEnd to End Testing	23 days	Wed 7/15	Fri 8/14	0%



ID	Task Name	Dur	Start	Finish	% Cor	1, 1998		Qtr 2, 1998			Qtr 3, 19	
						Feb	Mar	Apr	May	Jun	Jul	Aug
46	Ready to Accept Porting Orders	0 days	Mon 8/17	Mon 8/17	0%							◆
47	Earliest possible due date for Porting Orders	0 days	Mon 8/24	Mon 8/24	0%							◆
48	End of Phase I MSA	0 days	Mon 8/31	Mon 8/31	0%							

AIN SMS Project Plan

ID	Task Name	Duration	Start	Finish	% Complete
1	LNP Requirements Issued	1 day	Mon 3/31/97	Mon 3/31/97	100%
2	**Software Development SMS 10.2**	**66 days**	**Thu 5/15/97**	**Thu 8/14/97**	**100%**
3	Development & Integration Testing	44 days	Thu 5/15/97	Tue 7/15/97	100%
4	System Testing	28 days	Tue 7/8/97	Thu 8/14/97	100%
5	Network Integrity and Reliability Testing	7 days	Fri 8/15/97	Sat 8/23/97	100%
6	Final Certification for SMS Release 10.2	1 day	Sat 8/23/97	Sat 8/23/97	100%
7					
8	**Software Development SMS Release 11.0**	**44 days**	**Wed 10/8/97**	**Mon 12/8/97**	**100%**
9	Development & Integration Testing	7 days	Wed 10/8/97	##########	100%
10	System Testing	31 days	Mon 10/27/97	Mon 12/8/97	100%
11	Network Integrity & Reliability Testing	15 days	Tue 12/23/97	Mon 1/12/98	100%
12	Final Certification for SMS Release 11.0	1 day	Sun 2/8/98	Sun 2/8/98	100%
13					
14	NANC Compliance Analysis	30 days	Tue 2/10/98	Mon 3/23/98	100%
15	**Requirements**	**30 days**	**Mon 3/23/98**	**Fri 5/1/98**	**100%**
16	NPAC Issues Resolved	6 days	Mon 3/23/98	Mon 3/30/98	100%
17	Issue Draft for Engineering Review	11 days	Mon 3/23/98	Mon 4/6/98	100%
18	Issue Final Requirements	1 day	Wed 4/15/98	Wed 4/15/98	100%
19	System Design	13 days	Wed 4/15/98	Fri 5/1/98	100%
20	**Software Development SMS Release 12.0**	**102 days**	**Mon 3/16/98**	**Fri 7/31/98**	**47%**
21	Dev. & Integ. Testing NPAC Issues	32 days	Thu 4/30/98	Fri 6/12/98	30%



Project: FCC
Date: Thu 6/4/98

Task
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Progress
Milestone
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Rolled Up Task
Rolled Up Split
Rolled Up Milestone
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External Tasks
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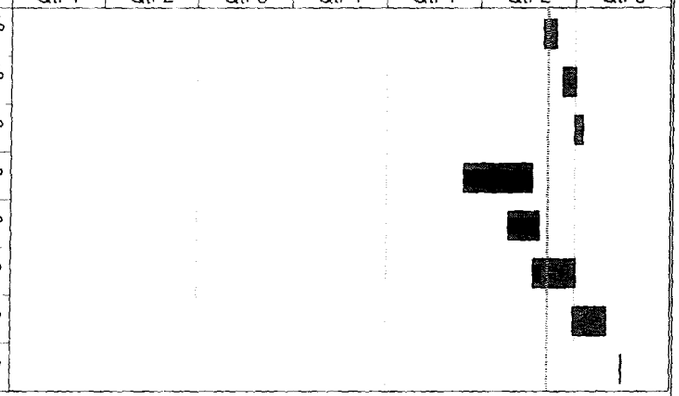
AIN SMS Project Plan

ID	Task Name	Duration	Start	Finish	% Complete
22	Test Case Development NPAC Issues	10 days	Mon 6/1/98	Fri 6/12/98	0%
23	System Testing NPAC Issues	11 days	Fri 6/19/98	Wed 7/1/98	0%
24	Network Integrity and Reliability Testing	6 days	Wed 7/1/98	Wed 7/8/98	0%
25	Dev. & Integ. Testing NPA Splits	48 days	Mon 3/16/98	Wed 5/20/98	100%
26	Test Case Development NPA Splits	22 days	Tue 4/28/98	Wed 5/27/98	100%
27	System Testing NPA Splits	29 days	Fri 5/22/98	Wed 7/1/98	20%
28	Network Integrity and Reliability Testing	24 days	Tue 6/30/98	Fri 7/31/98	0%
29	Final Certification	1 day	Sat 8/15/98	Sat 8/15/98	0%



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Task
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